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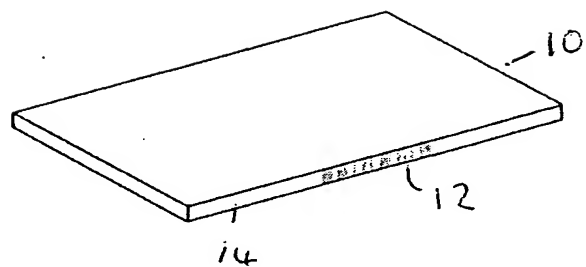


Fig. 1A

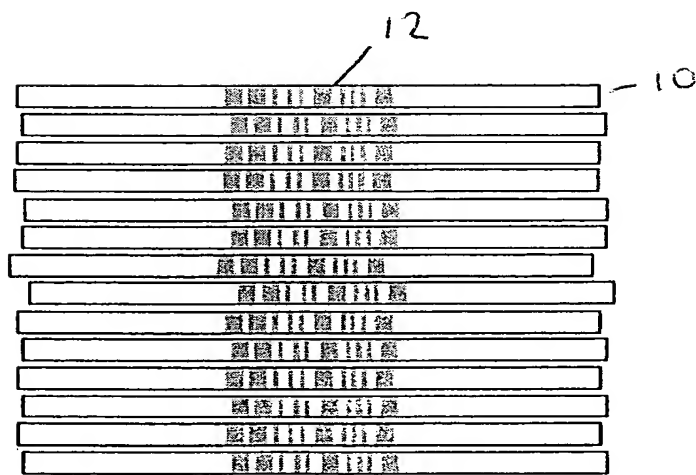


Fig. 1B

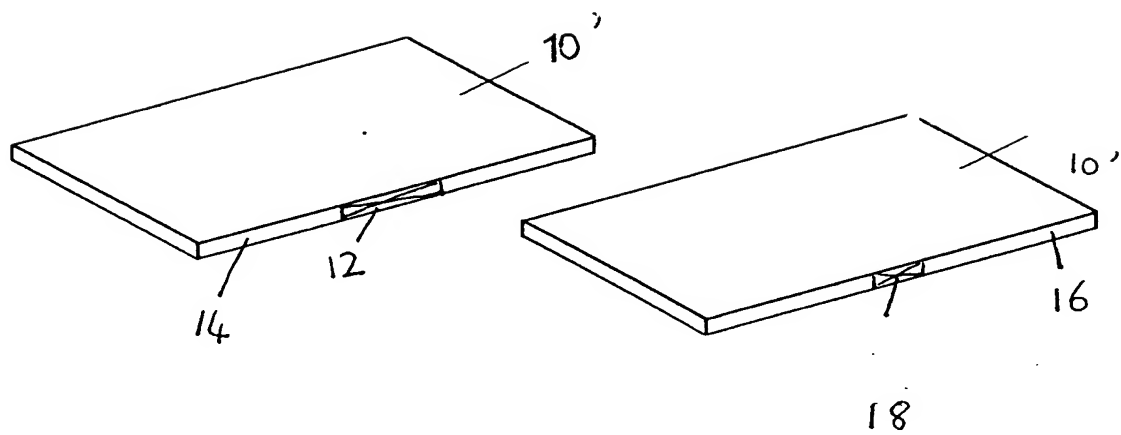


Fig. 2 A

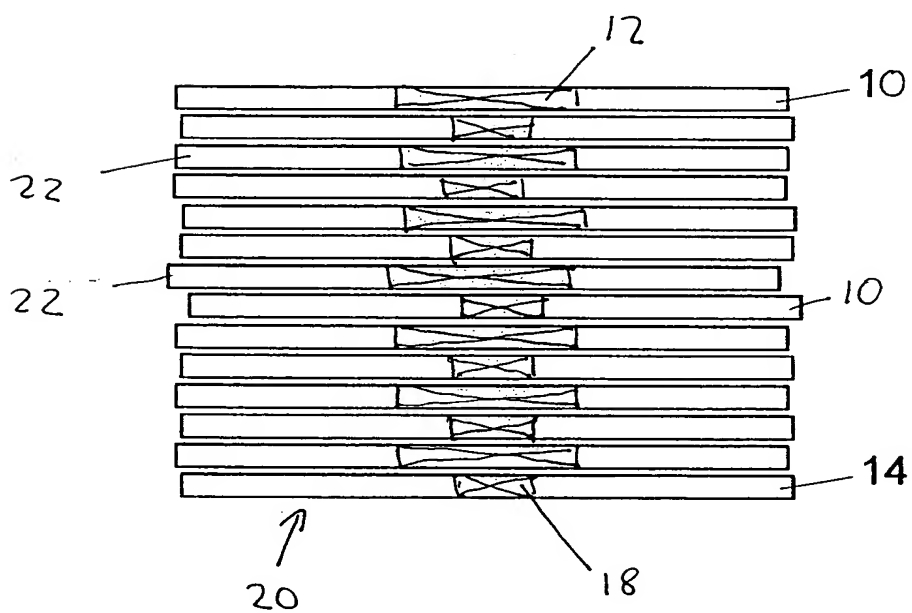


Fig. 2 B

7  
7  
7  
7

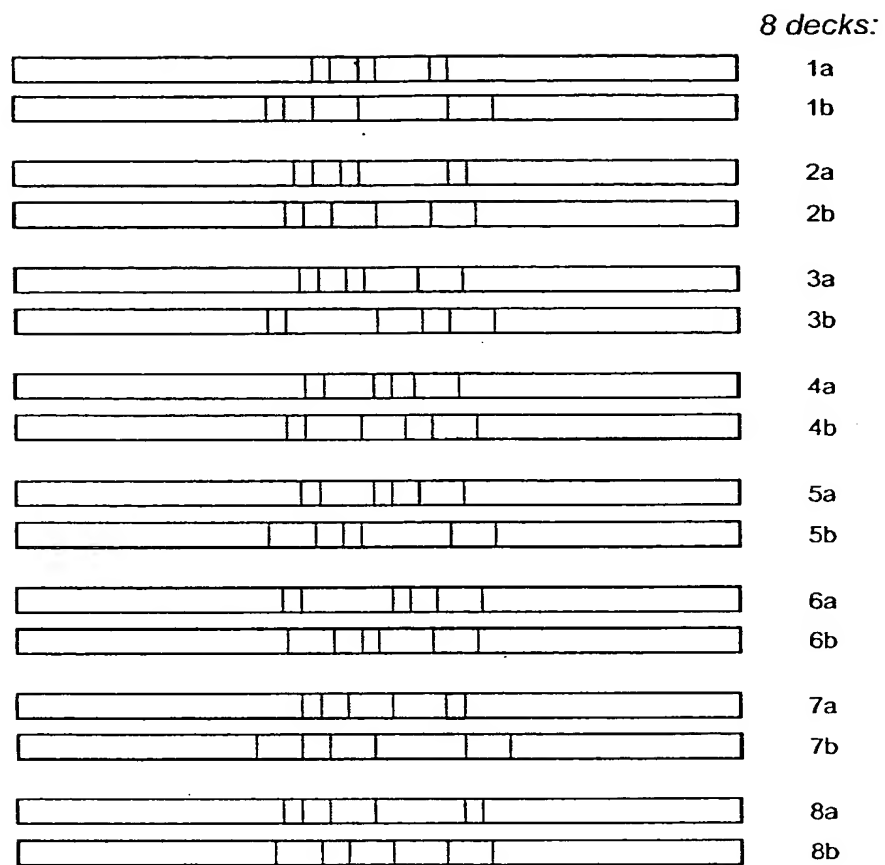
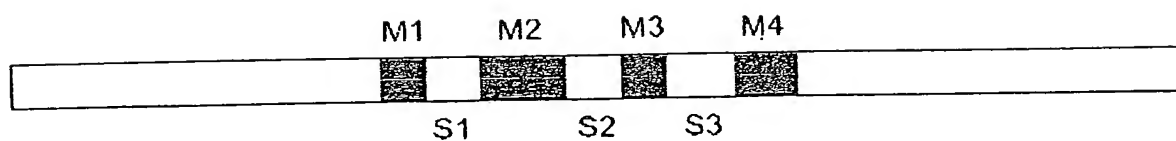


Fig. 3



M - Mark, S - Space

Deck #	Deck id.	M1 width	S1 width	M2 width	S2 width	M3 width	S3 width	M4 width	Pattern
1	1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
2	2	0.8	0.8	0.8	0.8	0.8	0.8	1.6	
3	19998	1.6	1.6	1.6	4.0	4.0	4.0	2.4	■ ■ ■ ■
4	19999	1.6	1.6	1.6	4.0	4.0	4.0	3.2	■ ■ ■ ■
5	78124	4.0	4.0	4.0	4.0	4.0	4.0	3.2	■ ■ ■ ■
6	78125	4.0	4.0	4.0	4.0	4.0	4.0	4.0	■ ■ ■ ■

\* All dimensions are in mm. Fig. 4

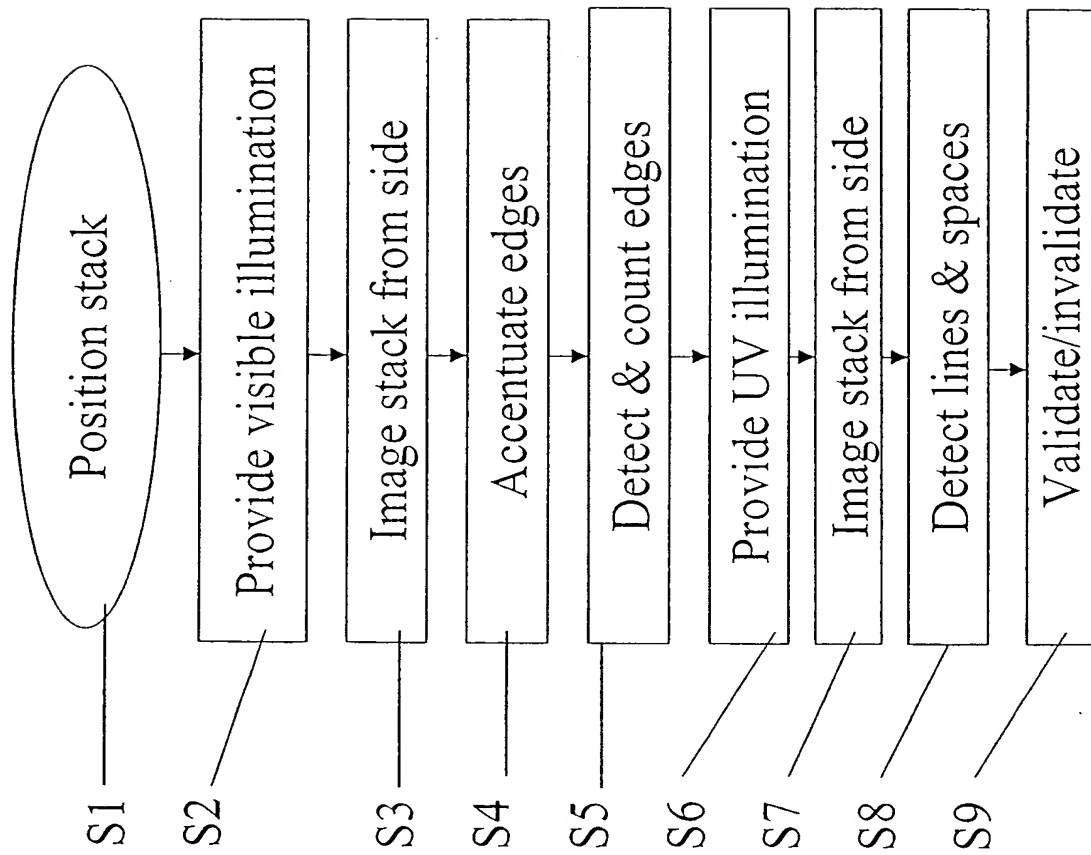


Fig. 5

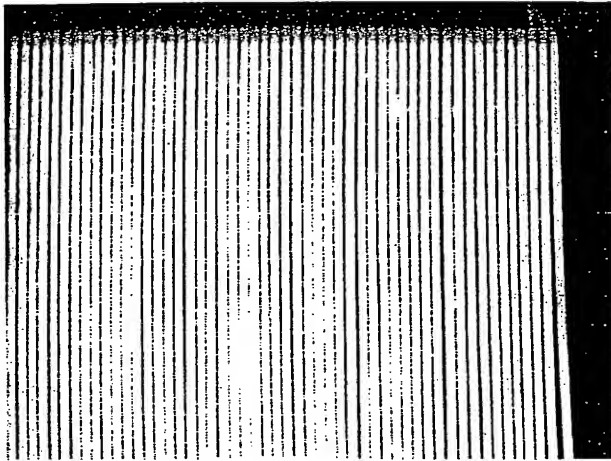


Fig. 6  
Image aquired under  
visible light  
(Image aquisition module)

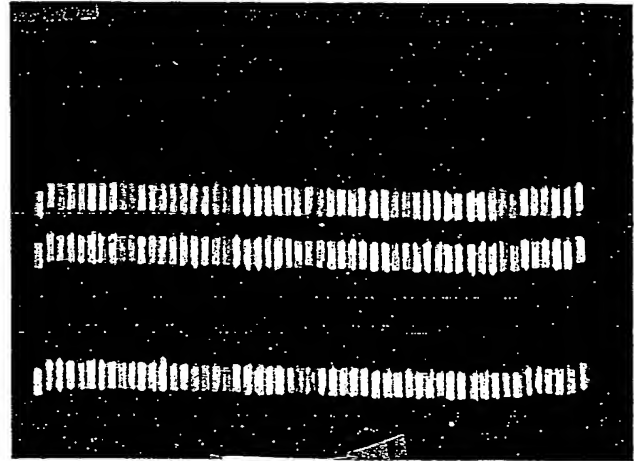


Fig.8  
Image aquired under  
UV light  
(Image aquisition module)

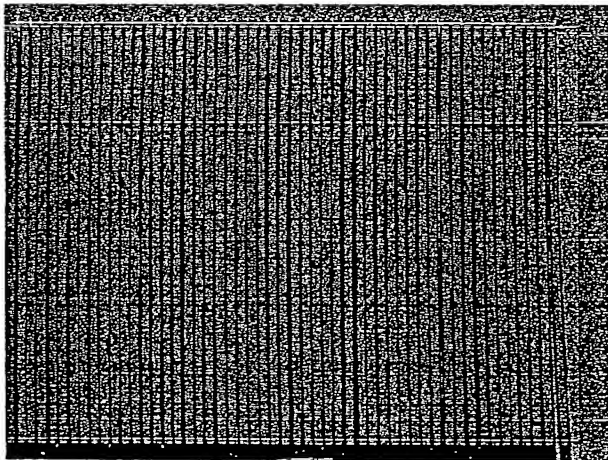


Fig. 7.  
Card detection and marking  
(Counting module)

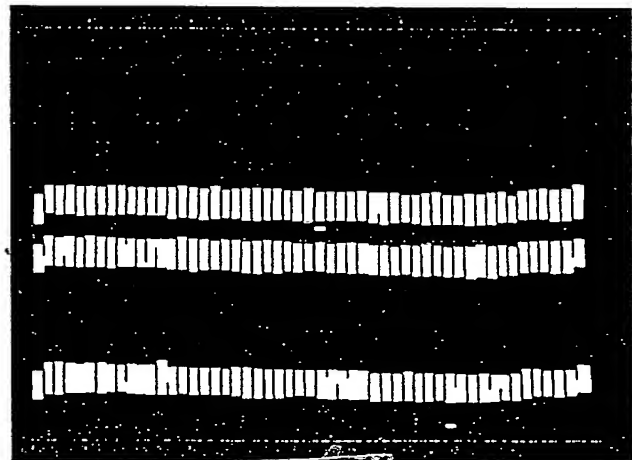


Fig.9  
Bars and spaces detection  
(Validation module)

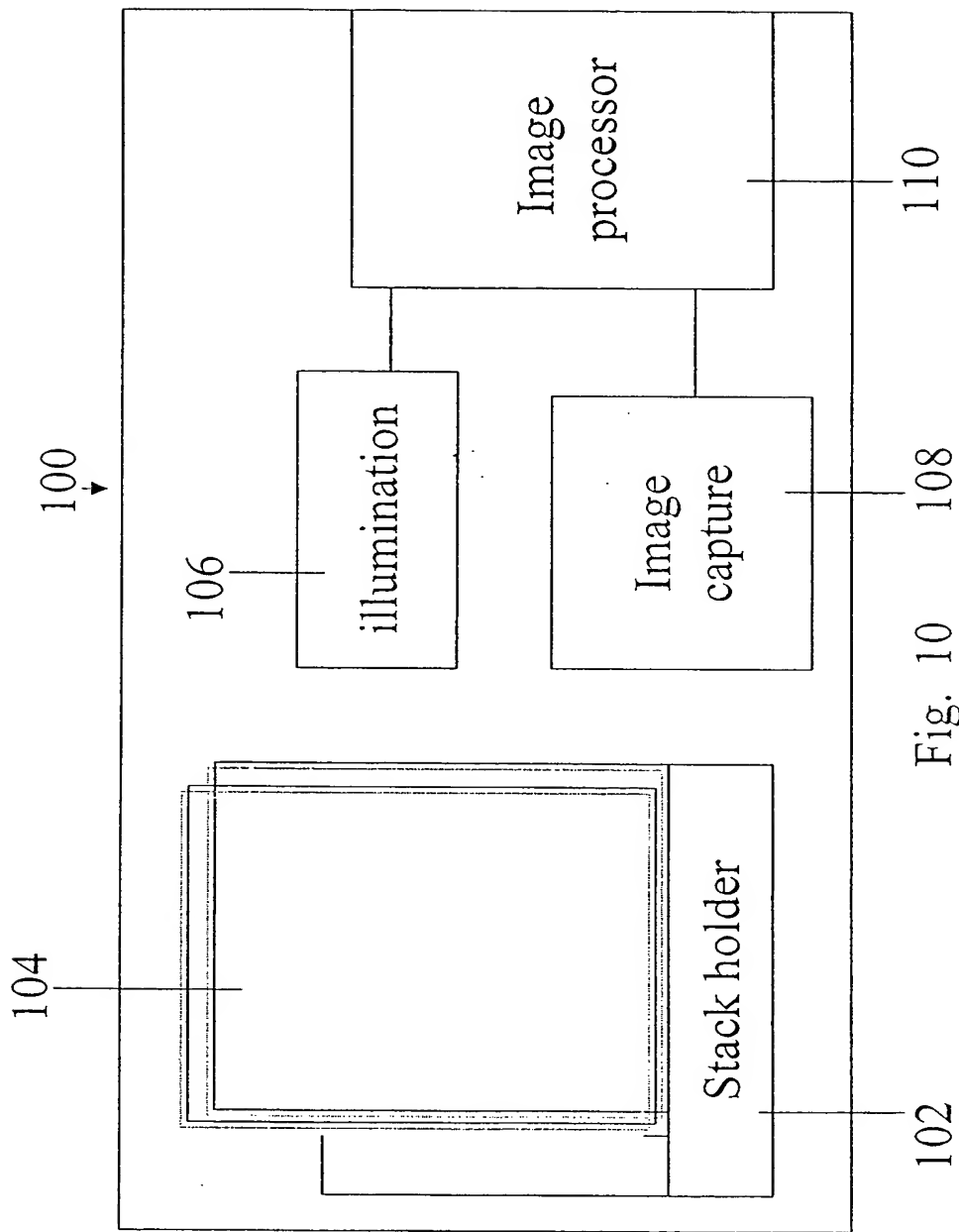


Fig. 10 108 110 102



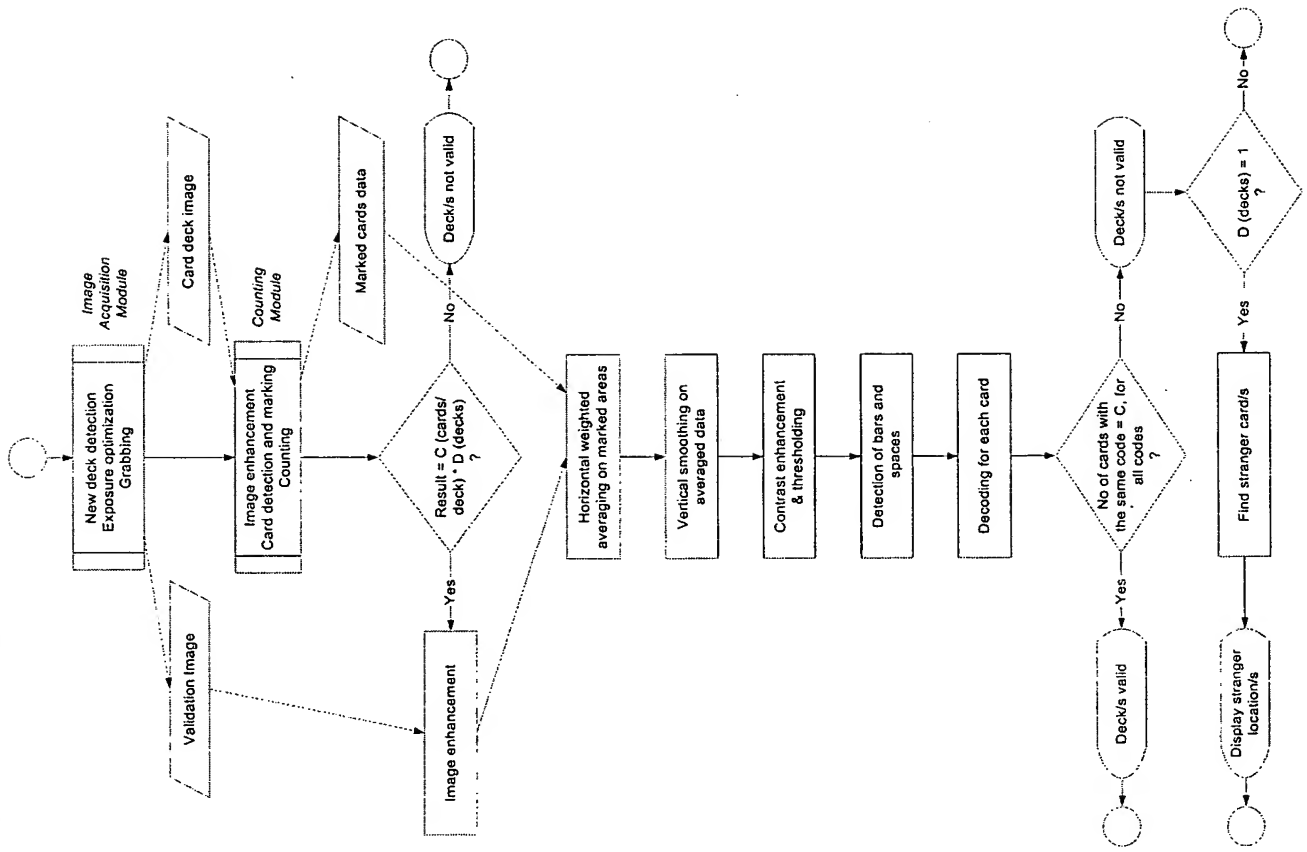


Fig. 11

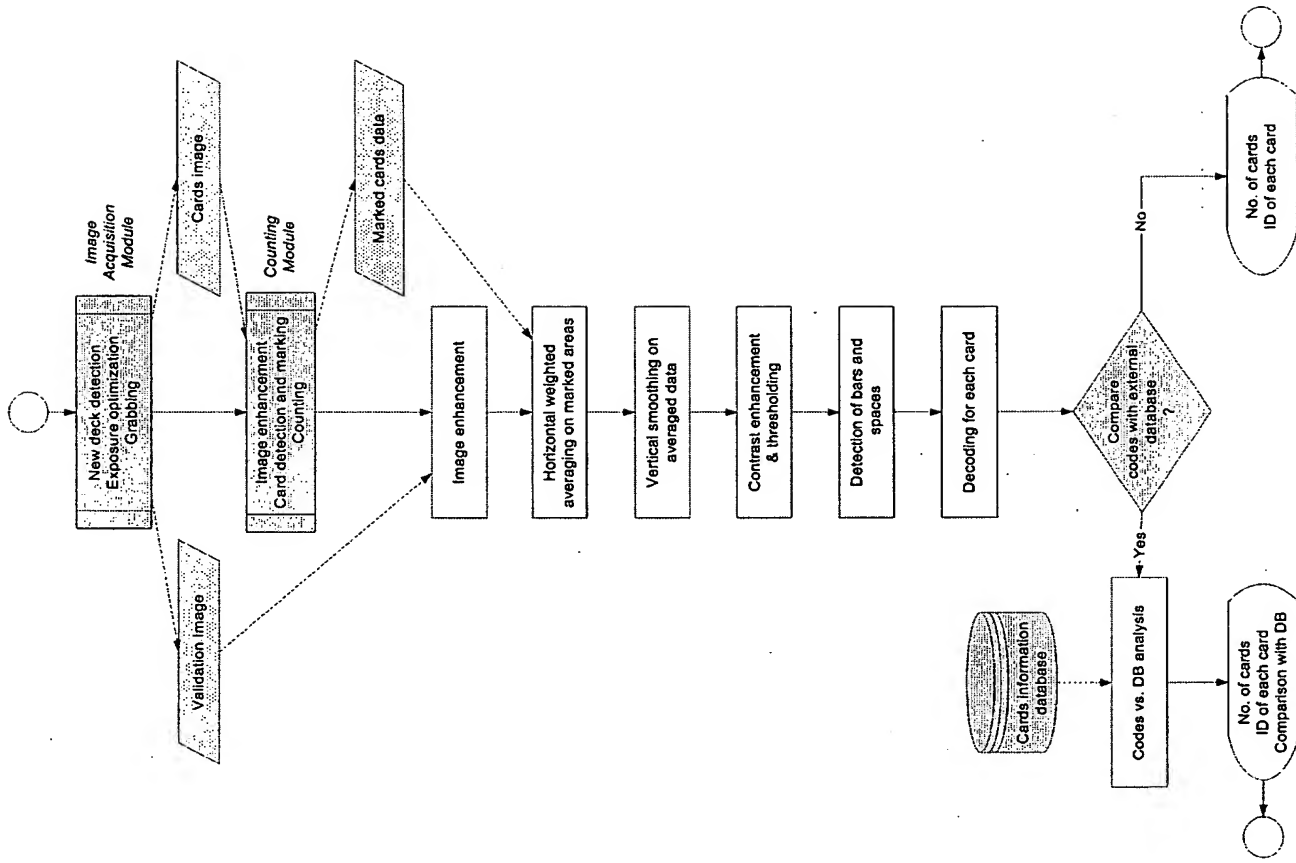


Fig. 12